

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Devour

OTHER MEANS OF IDENTIFICATION: Not applicable.

GENERAL USE: For professional drycleaning, wetcleaning and laundry use only.

PRODUCT DESCRIPTION: Stain Removal Agent.

MANUFACTURER

R. R. Street & Co. Inc.
215 Shuman Boulevard/Suite 403
Naperville, IL 60563

Product Information: 800-323-7206 (USA
& Canada only) or 630-416-4244

24 HR. EMERGENCY TELEPHONE NUMBERS

Medical Emergency: 866-303-6947 (USA & Canada
only) or 651-632-9272

Transportation Emergency: 800-424-9300 (USA &
Canada only) or 703-527-3887

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Serious Eye Damage/Irritation: Category 1

Skin Corrosion/Irritation: Category 2

Reproductive Toxicity: Category 1

Specific Target Organ Toxicity (STOT-RE): Category 2

GHS LABEL ELEMENTS

Symbol(s):



Signal Word: Danger

Hazard Statements:

H315 – Causes skin irritation.

H318 – Causes serious eye damage.

H360 – May damage fertility or the unborn child.

H373 – May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements:

P201 – Obtain special instructions before use.

P202 – Do not handle until all safety precautions have been read and understood.

P264 – Wash thoroughly after handling.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 – IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P305+P310 – IF IN EYES: Immediately call a POISON CENTER or doctor/physician.

P308+P313 – If exposed or concerned, get medical advice/attention.

P314 – Get medical advice/attention if you feel unwell.

P332+P313 – If skin irritation occurs: Get medical advice/ attention.

P362+P364 – Take off contaminated clothing and wash before reuse.

P501 –Dispose of contents/container in accordance with local/regional/national/international regulations.

Other Hazards: Not available.

Unknown Acute Toxicity: Not applicable.

2. COMPOSITION / INFORMATION ON INGREDIENTS

The specific identity of one or more component(s) of this product are withheld as a trade secret.

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS#</u>
Protease		9014-01-1
Amylase		9000-90-2
(Trade Secret #1)	-	-
(Trade Secret #2)	-	-
(Trade Secret #3)	-	-
(Trade Secret #4)	-	-

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

SKIN: Remove contaminated clothing. Wash with water. Consult a physician if irritation persists.

INGESTION: Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

INHALATION: Remove affected person to fresh air. If not breathing, give artificial respiration. Get medical attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Irritation, redness, stinging, pain, and tearing.

SKIN: Pain, redness, burning sensation and peeling.

SKIN ABSORPTION: Insufficient data available.

INGESTION: May cause gastrointestinal irritation, fatigue, dizziness, and possible loss of concentration.

INHALATION: May cause irritation to the respiratory system.

ADDITIONAL INFORMATION: After emergency actions, call the emergency medical information number on page 1 or a physician immediately.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Not applicable.

EXTINGUISHING MEDIA: Not applicable.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide.

FIRE FIGHTING EQUIPMENT: Not applicable.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Clean up spill with absorbent material and water, if necessary.

LARGE SPILL: Not applicable.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Not applicable.

HANDLING: Follow all SDS/label precautions even after container is emptied because it may retain product residues.

STORAGE: Store in labeled, tightly sealed containers in a cool area. Refrigeration of product will maintain maximum enzyme activity for a longer period of time.

ELECTROSTATIC ACCUMULATION HAZARD: Not applicable.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

	EXPOSURE LIMITS					
	OSHA PEL		ACGIH TLV		Supplier OEL	
	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³
Protease	TWA	NE ^[1]		0.06 ^[2]		
	STEL	NE		NE		
Amylase	TWA	NE		NE		
	STEL	NE		NE		
(trade secret #1)	TWA	NE		NE		
	STEL	NE		NE		
(trade secret #2)	TWA	NE		NE		
	STEL	NE		NE		
(trade secret #3)	TWA	NE		5		
	STEL	NE		NE		
(trade secret #4)	TWA	NE		5		
	STEL	NE		NE		

OSHA TABLE COMMENTS:

1. NE=Not established.

2. µg/m³ ceiling, based on 100% pure crystalline enzyme.

The specific identities of one or more components of this product are withheld as a trade secret.

ENGINEERING CONTROLS: Not applicable.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses with side shields, or goggles.

SKIN: Neoprene or Barrier™ gloves.

RESPIRATORY: Not required under ordinary conditions.

PROTECTIVE CLOTHING: Not applicable.

WORK HYGIENIC PRACTICES: Wash thoroughly after handling. Do not eat or drink in work area.

OTHER USE PRECAUTIONS: Have eye wash station available. Do not wear contact lenses without eye protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear to slightly cloudy

PHYSICAL STATE: Liquid.

COLOR: Light yellow to brown.

ODOR: Slight fermentation odor (e.g., yeast).

ODOR THRESHOLD: No data available.

pH: 8

FREEZING POINT: <0°C (32°F)

INITIAL BOILING POINT: ~100°C (212°F)

FLASHPOINT: Not applicable.

EVAPORATION RATE: ~0.3 Butyl acetate = 1

FLAMMABILITY (Solid, Gas): Not applicable, this product is a liquid at room temperature.

FLAMMABLE LIMITS: Not applicable.

VAPOR PRESSURE: ~12 mm Hg at 20°C

VAPOR DENSITY: 0.6 (Air=1)

RELATIVE DENSITY: 0.6 (Air=1)

SOLUBILITY IN WATER: Miscible.

PARTITION COEFFICIENT (Log K_{ow}): No data available.

AUTOIGNITION TEMPERATURE: Not applicable.

DECOMPOSITION TEMPERATURE: No data available.

VISCOSITY: No data available.

PERCENT VOLATILE: 88

10. STABILITY AND REACTIVITY

REACTIVITY: No.

CHEMICAL STABILITY: Stable.

POSSIBILITY OF HAZARDOUS REACTIONS: Polymerization will not occur.

CONDITIONS TO AVOID: High temperatures.

INCOMPATIBLE MATERIALS: Acids, alkalis, nitrites.

HAZARDOUS DECOMPOSITION PRODUCTS: Not applicable.

11. TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE: Inhalation and skin.

ACUTE TOXICITY (ATE):

DERMAL LD₅₀: Insufficient data available.

ORAL LD₅₀: > 2,000 mg/kg (rat)

INHALATION LC₅₀: Insufficient data available.

CHRONIC

TARGET ORGANS: Components of this product caused liver and/or kidney effects in lab animals; relevance to humans is unknown. A component of this product may cause central nervous system effects with excessive exposure.

SENSITIZATION: Insufficient data available.

CARCINOGENICITY

IARC: Not applicable.

NTP: Not listed as a carcinogen.

OSHA: Not listed as a carcinogen.

OTHER: No data available.

OTHER: No data available.

REPRODUCTIVE EFFECTS: A component of this product has been shown to be a possible reproductive toxin in animal studies; relevance to humans is unknown.

MUTAGENICITY: Insufficient data available.

SYNERGISTIC MATERIALS: No data available.

POTENTIAL HEALTH EFFECTS

EYES: May cause severe eye irritation.

SKIN: May cause skin irritation, dermatitis.

SKIN ABSORPTION: A component of this product may be harmful with prolonged contact with the skin.

INGESTION: May be harmful if swallowed.

ASPIRATION HAZARD: There is insufficient data available to classify this product as an aspiration hazard.

INHALATION: Aerosol may cause allergic reaction, including asthma.

MEDICAL CONDITIONS AGGRAVATED: Atopy, asthma. Conditions of the respiratory system, central nervous system, liver, kidneys, skin, and eyes.

GENERAL COMMENTS: Refer to Section 3 for additional information on potential health effects.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: A component of this product considered moderately toxic.

PERSISTENCE AND DEGRADABILITY: All organic components are readily or inherently biodegradable.

BIOACCUMULATIVE POTENTIAL: Insufficient data available.

MOBILITY IN SOIL: Insufficient data available.

OTHER ADVERSE EFFECTS: No data available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with federal, state and local regulations.

EMPTY CONTAINER: Not applicable.

RCRA/EPA WASTE INFORMATION: Contains no material(s) defined by RCRA as hazardous waste.

14. TRANSPORT INFORMATION**DOT (DEPARTMENT OF TRANSPORTATION)**

PROPER SHIPPING NAME: Not regulated.

OTHER SHIPPING INFORMATION: Not applicable.

CANADA TRANSPORT OF DANGEROUS GOODS

PROPER SHIPPING NAME: Not regulated.

OTHER SHIPPING INFORMATION: Not applicable.

AIR (ICAO/IATA)

PROPER SHIPPING NAME: Not regulated

15. REGULATORY INFORMATION**UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)****311/312 HAZARD CATEGORIES:**

FIRE: No. **PRESSURE GENERATING:** No. **REACTIVITY:** No. **ACUTE:** Yes. **CHRONIC:** Yes.

313 REPORTABLE INGREDIENTS: None.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA RQ: Not applicable.

REPORTABLE SPILL QUANTITY: Not applicable.

RCRA STATUS: See section 13.

MEXICO

Not applicable.

STATE REGULATIONS**MASSACHUSETTS**

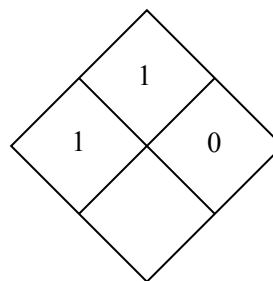
Contains one or more substances regulated by the Massachusetts Substance List.

CALIFORNIA

PROPOSITION 65 STATEMENT: This product contains no ingredients known to the state of California to cause cancer, birth defects, or reproductive harm.

16. OTHER INFORMATION

HMIS RATINGS	
HEALTH:	1
FLAMMABILITY:	1
REACTIVITY:	0
PERSONAL PROTECTION:	B

NFPA RATINGS**SDS Revision Date:** May 13, 2015